Gas Conversion Instructions

For models:

- B34-DV-2
- C34-DV
- C38-DV
- C42-DV
- ME34-DV-2
- MD34-DV-2
- ME38-DV-2
- MD38-DV-2

Warning: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- *Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.*
- What To Do If You Smell Gas:
  - *Do not try to light any appliance.*
  - *Do not touch any electrical switch; do not use any phone in your building.*
  - *Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.*
  - *If you cannot reach your gas supplier, call the fire department.*
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

- *Check local codes and read all instructions prior to conversion.*
- *Leave this manual with the owner.*

Table Of Contents

General Information 2
Parts list 2
Conversion
Before you begin 3
Front Burner 3
Rear Burner 3
Pilot Assembly 3
Main Gas Control Regulator 4
Check the Gas Pressure 4
Adjusting the Pilot Burner 4
Operation 5

General Information

This gas conversion kit contains the necessary components for field conversion of an approved Montigo fireplace from Natural Gas (NG) to Liquid Propane (LP).This kit is approved for use with the following Direct Vent (top and rear vent versions) and B-Vent models:

- B34-DV-2
- C34-DV
- C38-DV
- C42-DV
- ME34-DV-2
- MD34-DV-2
- ME38-DV-2
- MD38-DV-2

The conversion of this appliance must conform with local codes or, in the absence of local codes, with the **American** National Fuel Gas Code, *ANSI Z223.1*, or the **Canadian** Installation Code, *CAN / CGA*

WARNING!

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with this kit.

Parts List

Quantity	Description
1	Pilot orifice
1	Rear burner orifice
1	Front burner orifice
1	Rear burner
1	Front burner
1	Hi/Lo Regulator Kit for the gas control valve
1	Label for rating plate indicating conversion
1	Label for gas control valve indicating conversion

Gas Conversion Instructions

Conversion

CAUTION - Before you begin:

1. Shut off gas at the shut-off valve and disconnect the electrical supply (if used).
2. Remove the glass door as shown in the installation instructions and remove the logs. Flip down or remove the lower trims.

Front Burner:

3. On the B34, ME34,MD34, and C34 models, remove the screw that secures the left end of the burner to the firebox. On the ME38, MD38, C38, and C42 models, remove the clip which holds the left end of the burner tube on the burner bracket, then lift the burner out of the bracket. See Figure 1.

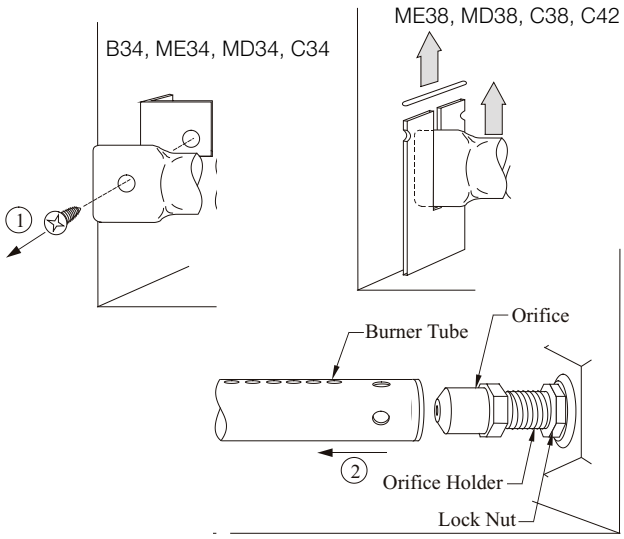


Figure 1. *Removing the burner tube and replacing the orifice.*

4. Carefully slide the front burner tube off the orifice (located inside the right end of the burner). See Figure 1.

   Replace the old orifice with the new orifice marked 'F' (front) from this kit. Tighten the new orifice until it is snug to prevent any leaks. **Do not overtighten,** as this will loosen the lock nut on the orifice holder. Refer to the green sheet included with this kit for orifice sizes.

5. Installl the new front burner (marked 'F')which is supplied with this kit.

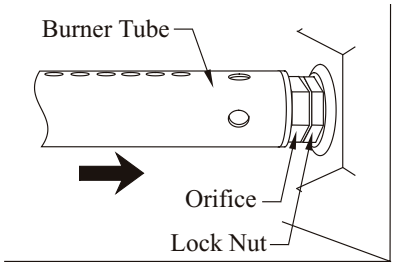


Figure 2. *Installing the new burner tubes.*

Rear Burner:

6. Remove the screw that secures the left end of the burner to the firebox. Slide the rear burner tube off the orifice on the right-hand side. Move the burner carefully, because the pilot assembly is attached to the back of the burner tube. Unscrew the old orifice from the orifice holder, and replace it with the new orifice from this kit marked 'R' (rear). Tighten the new orifice until it is snug to prevent any leaks. **Do not overtighten.**

Pilot Assembly:

7. Remove pilot hood/ orifice cap by pulling it off the pilot assembly. The cap will snap off with slight pressure; the orifice must be removed with an allen key. *(See Figure 4)*

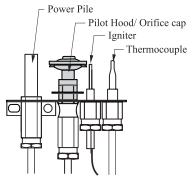


Figure 3. *The Pilot Assembly.*

8. Install the new orifice from the package marked '**Pilot Orifice**' in this kit to convert to the pilot to the new gas. Tighten the orifice securely with an allen key. Re-attach the pilot hood, making sure the notch in the hood lines up with the tab on the pilot assembly.

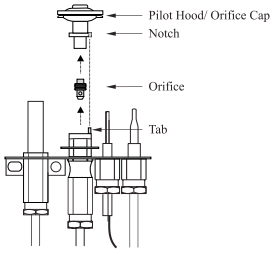


Figure 4. *The Pilot Assembly, with cap off. The pilot hood will snap off; the orifice must be removed with an allen key.*

Gas Conversion Instructions

9. Re-install the rear burner and ensure that the pilot burner is correctly positioned. The pilot and burner should be replaced exactly as it was removed. Make any necessary adjustments before proceeding with the conversion.

Main Gas Control Regulator:

10. The SIT Hi/Lo gas control valve supplied with this appliance has a removable regulator. To replace it, remove the three screws as shown in Figure 5, and install the new regulator supplied with this kit.

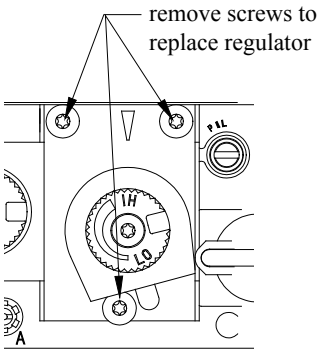


Figure 5. *Replacing the regulator on the Sit Nova 820 gas control valve.*

11. The label (part no. XL0201) indicating that *the fireplace* has been converted for use with a different gas must be placed on the fireplace rating plate over top of the existing fuel type chart.

The label (part no. XL0200) indicating *who* converted the appliance must be filled out and placed on the base pan, directly under the gas valve.

Also place the label indicating that the *control valve* has been converted for use with a different gas.

Checking the Gas Pressure

To check the Inlet and Manifold gas pressures, a Water Column Pressure Gauge with 5/16" dia. tubing can be used. To test the Manifold Pressure, loosen the screw shown in Figure 6. Attach the gauge to the Manifold Pressure Test Connection and open the gas shut-off valve. The tubing must be tight in the connection to prevent gas leaks. Measure the Manifold Pressure and compare the value against the chart below.

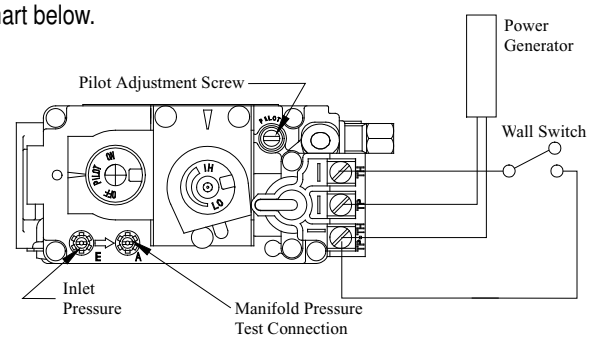


Figure 6. ***Sit Nova 820*** *gas valve.*

	Natural Gas	Liquid Propane
Manifold Pressure (min.)	3.5" W.C.	10" W.C.
Inlet Pressure (min.- max.)	5.5" - 14" W.C.	11" - 14" W.C.

" W.C. = inches water column

Turn off the fireplace and close the shutoff valve. Remove the test gauge. **Re-tighten the test connection screw to prevent gas leakage.**

Repeat the procedure for the Inlet Pressure.

If the pressure readings are not within the limits set out, contact the factory. If the pressure readings are correct, ensure that both test connection screws are tightened securely, to prevent a gas leak.

Pilot Burner Adjustment

1. Locate the Pilot Adjustment Screw on the gas control valve. *(See figure 6)*

2. Adjust pilot screw to provide properly sized flame as shown in *figure 7)*. To increasethe flame, turn the screw counterclockwise. To decrease the flame, turn it clockwise. The flame should impinge on the thermocouple and thermopile.

3. After installing or servicing, leak test using a soap solution with main burner turned on. Coat pipe and tubing joints, gasket etc. with soap solution. Bubbles indicate leaks. Tighten any areas where the bubbles appear until the bubbling stops completely.

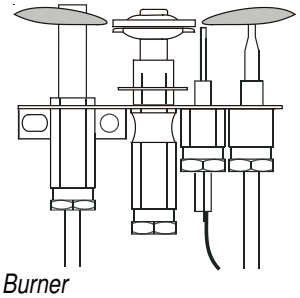


Figure 7. *Pilot Burner*

Operating Instructions

For Your Safety - READ BEFORE LIGHTING:

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What To Do If You Smell Gas:

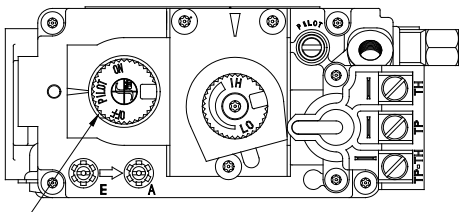
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the Fire Department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempt to repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system, and any gas control which has been under water.

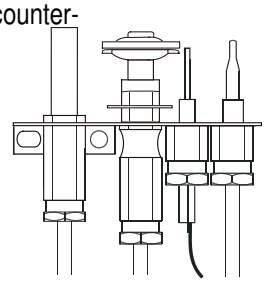
Lighting Instructions:

1. **STOP!** Read the safety information above on this label.
2. Flip down lower trims.
3. Push in gas control knob and turn clockwise ↷ to "OFF."
4. Wait five (5) minutes to clear out any gas. Smell for gas, including near the floor. If you then smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Locate pilot burner *(See illustration at right.)* and follow steps below.
6. Turn knob on gas control counterclockwise ↶ to "PILOT."
7. Push in gas control knob completely and hold. Light with Piezo Igniter button. Continue to hold the control knob in for about (1) minute after the pilot is lit. Release the knob and it will pop back up. Pilot should remain lit. If it goes out repeat steps 3 through 8.
   - If knob does not pop up when released. Stop and immediately call your service technician or gas supplier.
   - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
8. Push in gas control knob and turn counterclockwise ↶ to "ON."
9. Flip up lower trim.
10. Turn on remote switch to ignite fire.



Gas Control Knob
(Shown in "Pilot" postion.)

NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not



To Turn Off Gas To Appliance:

1. Turn off remote switch.
2. Flip down lower trim.
3. Push in gas control knob slightly and turn ↷ clockwise to "Off". Do not force.
4. Flip up lower trim.

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Canadian Heating Products Inc.
Langley, BC V4W 4A1

Montigo Del Ray Corp.
Ferndale, WA 98248